elements comprising:

a first annotation data structure element including an object reference for an object in a video frame and a corresponding first identifier; and

a second annotation data structure element referenced by said first identifier, said second annotation data structure element including a first set of annotation data references.

- 53. The system of claim 52 further comprising at least one timing data indicator associated with at least one of said plurality of data structure elements.
  - 54. The system of claim 53 wherein said timing data indicator indicates an expiration time.
  - 55. The system of claim 53 wherein said timing data indicator indicates an activation time.
- 56. The system of claim wherein said first annotation data structure element is associated with a set of video frames of a video program and wherein said second annotation data structure element is associated with said video program.
- 57. The system of claim 52 wherein said first data structure element and said second data structure element are transmitted separately.
- 58. The system of claim 52 wherein said first set of annotation data references includes an annotation data field and a second identifier referencing a third annotation data structure element.
- 59. The system according to claim 58 wherein said annotation data field is a title data field and said third annotation data structure element is a string including a title of said object.
- 60. The system according to claim 58 wherein said third annotation data structure element includes at least one display identifier for referencing a fourth data structure element to be displayed to a

## Preliminary Amendmen Attorney Docket No. WM1-04CN4 Page 3

viewer and at least one action identifier referencing a 17th data structure element providing instructions so said system for actions to be taken by said system

- 61. The system according to claim 58 wherein said annotation data field is a variable parameter field.
  - 62. The system according to claim/58 wherein said second identifier is a variable value.
- 63. The system according to claim 52 wherein said first and second identifiers are never duplicated by the system.
- 64. The system according to claim 52 further comprising a fifth data structure element including location and shape information about said object.
- 65. The system according to claim 64. wherein said fifth data structure element is associated with a video frame.
- 66. A method of generating a hyperlinked video signal annotation data system including a plurality of data structure elements comprising:

creating a first annotation data structure element including an object reference for an object in a video frame and a corresponding first identifier; and

creating a second annotation data structure element referenced by said first identifier, said second annotation data structure element including a first set of annotation data references.

- 67. The method of claim 66 further comprising creating at least one timing data indicator associated with at least one of said plurality of data structure elements.
  - 68. The method of claim 67 wherein said timing data indicator indicates an expiration time.
  - 69. The method of claim 67 wherein said timing data indicator indicates an activation time.

Preliminary Amendmen
Attorney Docket No. WM1-304CN4
Page 4

70. The method of claim 66 wherein said first annotation data structure element is associated with a set of video frames of a video program and wherein said second annotation data structure element is associated with said video program.

- 71. The method of claim 66 wherein said first data structure element and said second data structure element are transmitted separately.
- 72. The method of claim 66 wherein said first set of annotation data references includes an annotation data field and a second identifier referencing a third annotation data structure element.
- 73. The method according to claim 72 wherein said annotation data field is a title data field and said third annotation data structure element is a string including a title of said object.
- 74. The method according to claim 72 wherein said third annotation data structure element includes at least one display identifier for referencing a fourth data structure element to be displayed to a viewer and at least one action identifier referencing a fifth data structure element providing instructions to said system for actions to be taken by said system.
- 75. The system according to claim 72 wherein said annotation data field is a variable parameter field.
  - 76. The method according to claim 72 wherein said second identifier is a variable value.
- 77. The system according to claim 66 wherein said first and second identifiers are never duplicated by the system.
  - 78. The system according to claim 66 further comprising creating a fifth data structure element including location and shape information about said object.